

## DE 25 13 251 (DT 25 13 251)

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WPI Acc No: 1976-76022X/ 197641

**Polyacrylonitrile conjugated fibres prepn - from one soln with split streams at different temps (BE270976)**

Patent Assignee: BAYER AG (FARB )

Number of Countries: 008 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 2513251	A	19760930				197641 B
BE 839991	A	19760927				197642
NL 7603035	A	19760928				197642
JP 51119832	A	19761020				197649
DK 7601332	A	19761122				197651
DE 2513251	B	19770120				197704
FR 2305516	A	19761126				197704
GB 1532072	A	19781115				197846
US 4124673	A	19781107				197846

Priority Applications (No Type Date): DE 2513251 A 19750326

Abstract (Basic): DE 2513251 A

Bifiliated fibres and threads are produced from polyacrylonitrile by prepg. a soln. of the polymerisate, splitting the soln. into two streams and bifiliating the streams at different temps. by known methods so that the bifiliated threads can be post-treated by standard methods. Pref. the acrylnitrile polymer is a copolymer of  $\geq 50$  wt. %, esp.  $\geq 85$  wt. %, acrylonitrile and  $\leq 50$  wt. %, esp.  $\leq 15$  wt. %, ethylenically unsatd. comonomer, esp. selected from methylacrylate, vinylacetate, sodium methallyl sulphonate, and sodium styrene sulphonate. Pref. the solns. are dosed in different amts. into the spinneret or one of the streams is diluted with solvent. The threads or fibres are pref. dry-spun and given a molecular orientation by stretching. The two components are spun either in side-by-side relationship or core-and-mantel relationship. Fibres and threads have permanent crimp. Previous processes required two different concn. solns. of different polymerisates to effect same result. Wet or dry spinning can be used.

Derwent Class: A14; A32; F01

International Patent Class (Additional): B29F-003/10; D01D-000/00; D01F-008/08; D02G-000/00